

PATENT
DON08 P-1104
Express Mail No. EV327021648US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Brent J. Bos

For : **WIDE ANGLE IMAGING SYSTEM**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.51, 1.56, 1.97 and 1.98, Applicant submits herewith patents, publications or other information listed on the attached Forms PTO-1449 for consideration by the Examiner in connection with examination of the present application.

Copies of most of the documents listed on the attached Forms PTO-1449 are not submitted herewith because they were previously cited by or submitted to the Office in a prior application, which is properly identified as parent application, Serial No. 09/767,939, filed January 23, 2001. Copies of the newly cited references, namely, U.S. Patent Nos. 6,028,711 and 6,018,425, are enclosed. Also enclosed is a copy of U.S. Patent No. 6,498,620, which issued from U.S. patent application, Serial No. 08/952,026, which was cited in the parent application.

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such. The present application, U.S. Patent Nos. 6,498,620; 6,201,642; 5,949,331; 5,796,094 and 5,670,935; PCT publication WO 96/38319; and U.S. patent application Serial No. 09/199,907 are commonly assigned.

Applicant : Brent J. Bos
Page : 2

Under 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

An early and favorable action on the merits is respectfully requested.

Respectfully submitted,

BRENT J. BOS

By: Van Dyke, Gardner, Linn & Burkhart, LLP

Dated: July 7, 2003.



Timothy A. Flory
Registration No. 42 540
2851 Charlevoix Drive, S.E., Suite 207
P.O. Box 888695
Grand Rapids, Michigan 49546
(616) 975-5500

TAF:slg
DON08 P-1104

| | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|----------------------------------|------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | | | | | | | ATTY. DOCKET NO. DON08 P-1104 | SERIAL NO. |
| | | | | | | | | | | APPLICANT Brent J. Bos | |
| | | | | | | | | | | FILING DATE | GROUP |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | DATE | NAME | CLASS | SUB-CLASS | FILING DATE IF APPROPRIATE |
|------------------|--|-----------------|---|---|---|---|---|------|-------|--------------------|-----------|----------------------------|
| | | 6 | 4 | 9 | 8 | 6 | 2 | 6 | 12/02 | Schofield et al. | 348 | 148 |
| | | 6 | 2 | 0 | 1 | 6 | 4 | 2 | 3/01 | Bos | 359 | 565 |
| | | 6 | 0 | 2 | 8 | 7 | 1 | 1 | 2/00 | Adachi | 359 | 642 |
| | | 6 | 0 | 1 | 6 | 4 | 2 | 5 | 1/00 | Nakabayashi et al. | 359 | 753 |
| | | 5 | 9 | 8 | 2 | 5 | 4 | 4 | 11/99 | Ogata | 359 | 565 |
| | | 5 | 9 | 1 | 9 | 3 | 3 | 1 | 9/99 | Schofield et al. | 340 | 461 |
| | | 5 | 7 | 9 | 6 | 8 | 9 | 4 | 8/98 | Schofield et al. | 250 | 208.1 |
| | | 5 | 7 | 6 | 0 | 8 | 2 | 8 | 6/98 | Cortes | 348 | 143 |
| | | 5 | 2 | 6 | 0 | 8 | 2 | 6 | 6/98 | Nayer | 348 | 36 |
| | | 5 | 2 | 3 | 2 | 1 | 2 | 5 | 4/98 | Ohashi | 359 | 565 |
| | | 5 | 6 | 7 | 0 | 9 | 3 | 5 | 9/97 | Schofield et al. | 340 | 461 |
| | | 5 | 6 | 4 | 8 | 8 | 1 | 5 | 7/97 | Uzawa | 396 | 429 |
| | | 5 | 5 | 7 | 1 | 4 | 4 | 3 | 11/96 | Hsieh | 340 | 901 |
| | | 5 | 4 | 1 | 4 | 4 | 6 | 1 | 5/95 | Kishi et al. | 348 | 115 |
| | | 5 | 4 | 0 | 6 | 3 | 9 | 5 | 4/95 | Wilson et al. | 359 | 15 |
| | | 5 | 1 | 2 | 1 | | 0 | 0 | 6/92 | Choi | 358 | 103 |
| | | 4 | 9 | 3 | 7 | 7 | 9 | 6 | 6/90 | Tendler | 367 | 116 |
| | | 4 | 8 | 9 | 2 | 3 | 4 | 5 | 1/90 | Rachael, III | 296 | 24.1 |
| | | 4 | 2 | 7 | 7 | 8 | 0 | 4 | 7/81 | Robison | 358 | 108 |
| | | 4 | 2 | 1 | 4 | 2 | 6 | 6 | 7/80 | Myers | 358 | 108 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|--|-----------------|---|---|---|---|---|------|---------|----------------|-----------|-------------|
| | | 9 | 6 | 3 | 8 | 3 | 1 | 9 | 12/96 | PCT | | Y N |
| | | 5 | 0 | 0 | 0 | 0 | 6 | 3 | 8 | 1/93 | Japan | Full |
| | | 0 | 5 | 1 | 3 | 4 | 7 | 6 | A1 | 11/92 | EPC | |
| | | 2 | 6 | 7 | 3 | 4 | 9 | 9 | 9/92 | France | | Full |
| | | 2 | 2 | 4 | 4 | 1 | 8 | 7A | 11/91 | United Kingdom | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|------------------|--|---|
| EXAMINER INITIAL | | |
| | | Hamit, Francis "360-Degree Interactivity: New Video and Still Cameras Provide a Global Roaming Viewpoint", Advanced Imaging, March 1997, page 50. |

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|----------------------------------|--------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE | | | | | | | | ATTY. DOCKET NO. DON08 P-1104 | SERIAL NO. . |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | | | | APPLICANT Bos J. Bos | |
| (Use several sheets if necessary) | | | | | | | | FILING DATE | GROUP |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUB-CLASS | FILING DATE IF APPROPRIATE |
|------------------|--|-----------------|---|---|---|---|---|---|-------|---------------|-------|-----------|----------------------------|
| | | 4 | 6 | 2 | 6 | 6 | 5 | 0 | 12/86 | Chey | 340 | 903 | |
| | | 5 | 2 | 4 | 8 | 7 | 0 | 1 | 5/93 | Maeda | 359 | 574 | |
| | | 5 | 0 | 4 | 4 | 7 | 0 | 6 | 9/91 | Chen | 359 | 357 | |
| | | 5 | 0 | 4 | 6 | 4 | 7 | 7 | 5/91 | Baude et al. | 350 | 162.17 | |
| | | 4 | 8 | 9 | 5 | 7 | 9 | 0 | 1/90 | Swanson et al | 430 | 321 | |
| | | 4 | 6 | 4 | 7 | 1 | 6 | 1 | 3/87 | Müller | 350 | 462 | |
| | | 4 | 3 | 8 | 1 | 8 | 8 | 8 | 5/83 | Momiyama | 350 | 458 | |
| | | 3 | 9 | 4 | 7 | 0 | 9 | 5 | 3/76 | Moultrie | 350 | 302 | 3/74 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION | |
|------------------|--|-----------------|---|---|---|---|---|----|-------|----------------|----------------|-----------|-------------|------|
| | | 1 | | | | | | | | | | | Y N | |
| | | 3 | 0 | 0 | 6 | 1 | 1 | 9 | 2 | 3/91 | Japan | | Full | |
| | | 6 | 2 | 1 | 2 | 2 | 8 | 4 | 4 | 6/87 | Japan | 358 | 108 | Abst |
| | | 6 | 2 | 1 | 2 | 2 | 4 | 8 | 7 | 6/87 | Japan | | Full | |
| | | 2 | 5 | 8 | 5 | 9 | 9 | 1 | 2/87 | France | | | Full | |
| | | 2 | 1 | 3 | 7 | 5 | 7 | 3A | 10/84 | United Kingdom | | | | |
| | | 3 | 2 | 4 | 8 | 5 | 1 | 1 | 7/84 | Germany | | | Full | |
| | | 5 | 8 | 2 | 0 | 9 | 6 | 3 | 5 | 12/83 | Japan | | Abst | |
| | | 5 | 5 | 0 | 3 | 9 | 8 | 4 | 3 | 3/80 | Japan | 358 | 103 | Abst |
| | | | 9 | 3 | 4 | 0 | 3 | 7 | 8/63 | United Kingdom | 358 | 108 | | |
| | | 0 | 4 | 1 | 6 | 2 | 2 | 2 | A2 | 3/91 | EPO | | | N |
| | | | 2 | 2 | 4 | 1 | 0 | 8 | 5 | 4/73 | France | | | N |
| | | GB | 2 | 3 | 2 | 7 | 8 | 2 | 3A | 2/99 | United Kingdom | | | |
| | | P | 2 | 9 | 3 | 1 | 3 | 6 | 8 | 2/81 | Germany | | | N |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL | | |
|------------------|--|--|
| | | Johannes, Laura "A New Microchip Ushers in Cheaper Digital Cameras", <i>The Wall Street Journal</i> , August 21, 1998, page B1. |
| | | Commonly assigned, co-pending U.S. patent application, Serial No. 09/199,907, filed November 25, 1998, by Bos et al., entitled WIDE ANGLE IMAGE CAPTURE SYSTEM FOR VEHICLE |
| EXAMINER | | DATE CONSIDERED |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.